



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

Print

PO No	Supplier	Line No	Item No	Rel	Terms	Purchased Item	Description	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Tot
P0039558	MCM001-VU	3		1	Net 30	MT-01-R0 125	Tool Steel Round Bar 0.125 dia.			12	4/12/2018	12		S060422	Stock	4/12/2018	\$ 1.01 / ft	0		\$12.
Total:											12	12								\$12.

Plex 4/12/2018 11:20 AM Dart Dubois, Pascal

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada



DART
AEROSPACE

Tel (613) 632-5200

PURCHASE ORDER
P0039558

PO039558

:0

4/10/18

4/12/18

Purchase Order

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Lavoie, ChantalPhone:
clavoie@dataero.com

Ship-To Contact:

Ground

Рынок терми:

Special Comments:

Supplier: MCM001-VU

MCM001-VU
McMaster-Carr Supply Co.,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Ship To:

	Items
1	1. The company's financial statements are reliable.
2	2. The company's management is honest.
3	3. The company's products are of high quality.
4	4. The company's services are excellent.
5	5. The company's employees are well-trained.
6	6. The company's reputation is good.
7	7. The company's policies are fair.
8	8. The company's customers are satisfied.
9	9. The company's competitors are strong.
10	10. The company's future prospects are bright.

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	9833K21		Breather Vent AS PER DWG D5540	Firmed	4/12/18	10 Ea	0 Ea	10 Ea	\$1.27/Ea	\$12.70
REV. A										

Line Item Note JOB NO. 175616

2	482X	5553A66	Wrench, 7/16 Hex Drill, Power #2	Firmed	4/12/18	4 Ea	0 Ea	4 Ea	\$8.26/Ea	\$33.04
3	MT-01-	8893K148	Tool Steel Round Bar 0.125 dia. 6 ft long	Firmed	4/12/18	12 ft	0 ft	12 ft	\$1.0116666/ft	\$12.14
4	8865K62	24" X 24"	Adhesive Backed Foam Color Grey	Firmed	4/12/18	16 sf	0 sf	16 sf	\$11.765/sf	\$188.24

Line Item Note 4 PCS OF 24" X 24"

5	9665K57	1/pk	Extension Spring, SS, 20" Long x 0.25" OD x 0.02" Dia.	Firmed	4/12/18	10 ft	0 ft	10 ft	\$6.01824/ft	\$60.18
Line Item Note 6 PCS OF 20" LONG										
6	92373A143	100/pk	Spring Pin	Firmed	4/12/18	100 ft	0 ft	100 ft	\$0.0378/ft	\$3.78

Grand Total:

\$310.08

Order Notes

7.

① RD

Plex 4/10/18 11:08 AM dan.lavoie.chanta

<https://www.bflexonline.com/f2392c41-5dfc-42b1-8c06-7c12598f8f8d/Displaye-Control/Raport-VIEWER?sen2n=1%4E%2CDBUrhobasina%2CDBU-Dat%2CDBU>

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-01-R0.125 DATE: APR 12 2018
 MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: 0
 THICKNESS ORDERED: 0.125
 THICKNESS RECEIVED: 0.125
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A
 PO / BATCH NO.: 039558/5d60422

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
HRC	HRB	DUR A	DUR D	WEBSTER
RECORD RESULTS BELOW				
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION
 ENGINEERING SIGNOFF (if required)
 INSPECTED BY: DAS
 DATE: 9-89 APR 12 2018
 SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.09	WM	WM

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI O1 TOOL STEEL ROUND BAR

SPECIFICATION:

DIN 1.2510 or B.S. BO 1 or
SAE J437 or SAE J438
or UNS T31501 or ASTM A681

PART NUMBER:

MT-O1-R (D,DDD)

WHERE "D,DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = MT-O1-R0.625

EN 17/49

DART AEROSPACE		Hamilton, Ontario, Canada	
TITLE AISI O1 TOOL STEEL ROUND BAR			
DOWNS NO.		REV	
DESIGN BY: VM 8/31/2017		XXX 3.000 FRACTIONS 3.14	
DRAWN BY: VM 8/31/2017		XX 3.1 ANGLES 3.14	
CHECKED: SCS 09/12/2017		1. UNLESS OTHERWISE SPECIFIED	
MFG. APPR.: DP 09/05/2017		2. ASME Y14.5-2000 TOL. PER	
QA APPR.: PD 09/12/2017		3. DIMENSIONAL LIMITS APPLY	
APPROVED: VM 09/12/2017		DATE: 8/31/2017 SCALE: NTS WEIGHT: N/A LBS	
COPYRIGHT © 2017 BY DART AEROSPACE LTD.		SHEET 1 OF 1	

Tool Steel

For information about steel, see page 3794.

Tight-Tolerance Multipurpose O1 Tool Steel Rods



- Yield Strength 50,000 psi
- Hardness: Rockwell B90 (Medium)
- Heat Treatable: Yes
- Max. Hardness after Heat Treatment
- Inch sizes: Rockwell C65
- Metric sizes: Rockwell C62
- Specifications Met: ASTM A681

al

These precision-ground rods have a tight diameter tolerance. Commonly used for dies, punches, and gauges. O1 tool steel is an oil-hardening material that resists wear and abrasion.

Dia.	Dia. Tolerance	Temper Rating	Mechanical Finish	1 ft.	3 ft.	6 ft.
0.0625"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K115	\$1.93	\$3.51
0.063"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K117	1.71	3.11
0.066"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K118	1.84	3.35
0.069"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K119	2.03	3.69
0.072"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K121	2.29	4.17
0.075"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K122	2.47	4.49
0.0782"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K123	2.66	4.83
0.079"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K125	2.84	5.16
0.081"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K126	2.74	4.99
0.085"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K127	2.85	5.19
0.088"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K128	3.10	5.63
0.092"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K129	3.43	6.23
0.0938"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K131	3.71	6.75
0.095"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K133	2.25	4.09
0.097"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K134	2.01	3.65
0.099"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K135	2.05	3.73
0.101"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K136	2.24	4.08
0.103"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K137	2.31	4.20
0.106"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K138	2.40	4.37
0.108"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K139	2.49	4.53
0.1094"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K141	2.66	4.83
0.11"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K143	2.84	5.16
0.112"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K144	2.71	4.93
0.115"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K145	2.83	5.15
0.12"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K146	2.93	5.32
0.125"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K147	3.28	5.96
0.127"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K149	2.71	4.93
0.134"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K151	2.93	5.32
0.138"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K152	3.28	5.96
0.1406"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K153	3.40	6.18
0.143"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K154	3.43	6.23
0.146"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K155	3.51	6.39
0.148"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K156	3.69	6.71

Product Detail

Tight-Tolerance Multipurpose O1 Tool Steel Rod, 0.1250" Diameter

Guidelines for Heat Treating Tool Steel

Length, ft. 3 6

Each

ADD TO ORDER